

Att. Dkt. No.: 10990640-2
USPN: 10/059,957

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

1. - 9. (Cancelled)

10. (Previously Presented) A method of fabricating an array of biopolymers on a substrate using a dispensing head with biopolymer or biomonomer fluids, the fluid dispensing head having:

a reservoir chamber;

multiple jets which can dispense droplets onto a substrate, each jet including a delivery chamber communicating with the reservoir chamber, and including an orifice and an ejector which, when activated, causes a droplet to be ejected from the orifice;

the method comprising:

- (a) loading the head through orifices of the jets with biopolymer or biomonomer fluids;
- (b) positioning the head with the orifices facing the substrate;
- (c) dispensing multiple droplets from the head orifices so as to form an array of droplets on the substrate;
- (d) positioning the head with the orifices facing a cleaning station which is spaced from the substrate;
- (e) exposing the head about the orifices to a cleaning fluid from the cleaning station; and
- (f) repeating (a) to (f) as needed so as to form the array.

11. (Original) A method according to claim 10 wherein the cleaning station comprises a pad carrying cleaning fluid and the head is exposed to the cleaning fluid by wiping at least one of the head and pad across the other.

12. (Original) A method according to claim 4 wherein the fluid is a polynucleotide containing fluid.

13. (Original) A method according to claim 4 wherein the fluid is a polymer of amino acids.

14. (Original) A method according to claim 10 wherein the fluids are polynucleotide containing fluids.

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15. (Original) A method according to claim 10 wherein the fluids contain amino acid polymers.

16. - 17. (Cancelled)